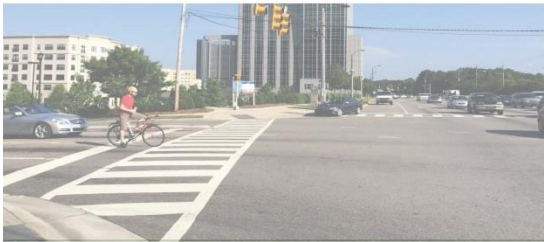


Six Forks Road Corridor Study

Raleigh, North Carolina

PROJECT STUDY DOCUMENT
November 2014



DESIGNWORKSHOP

The following was presented at the regularly scheduled Midtown CAC meeting on March 26, 2018. It is a repeat of the presentation originally given at the January 8, 2018 Midtown CAC meeting. As such, the final slides outlining the next steps and number of comments are not updated to reflect activity between January and March.

Tonight's Presentation:

1. Overview of Corridor Planning Process
2. Corridor Study Information
3. Comprehensive Plan Amendments
 - a) Future Land Use
 - b) Street Plan
 - c) Area Plan
 - d) Area Specific Guidance
4. Public Comments



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Overview of Corridor Planning Process

What is a Corridor Study?

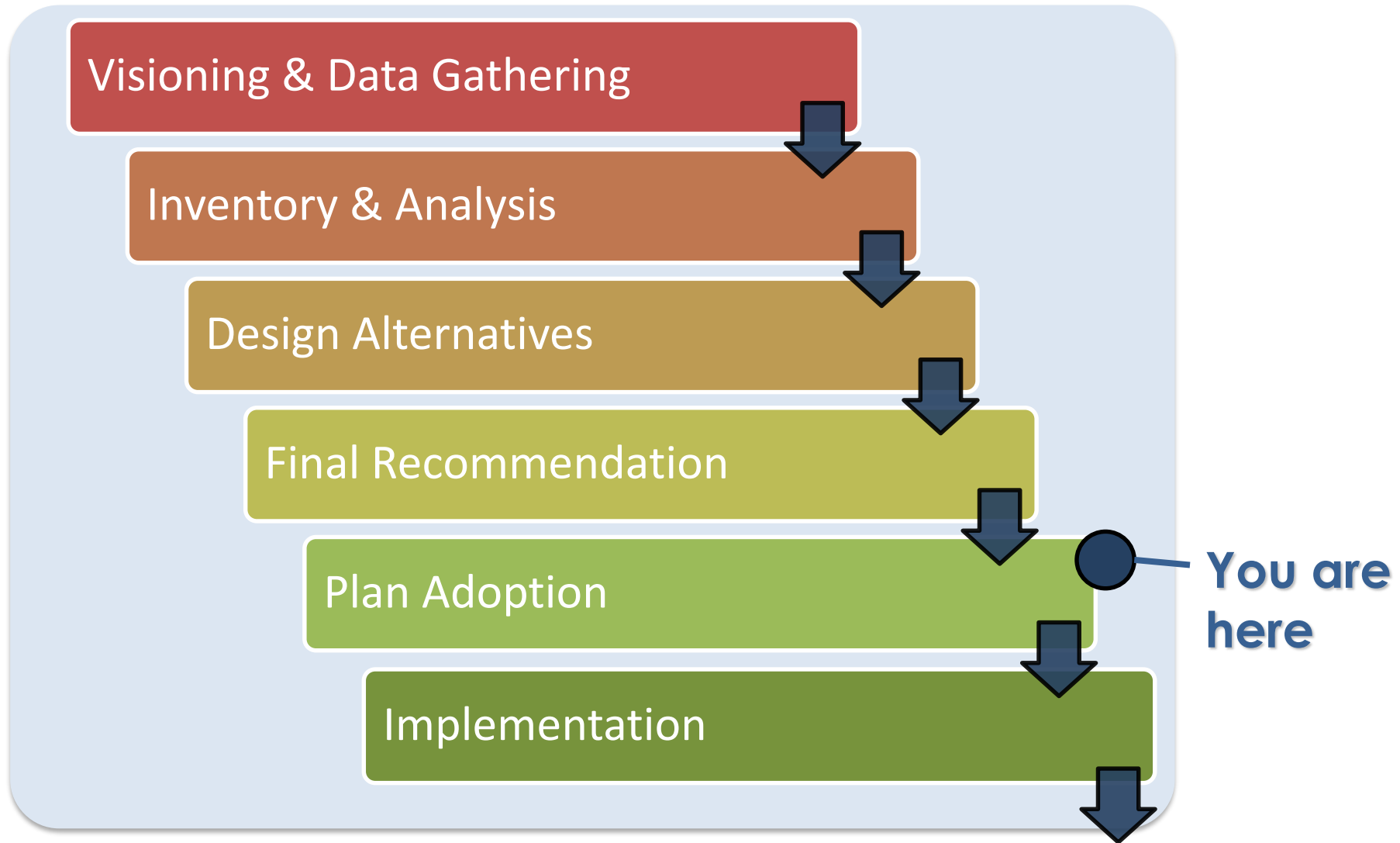
Corridor studies are intended to provide detailed information and solutions to guide the future physical and regulatory characteristics for particular corridors of a city.



Recommended Policy Amendments Could Include:

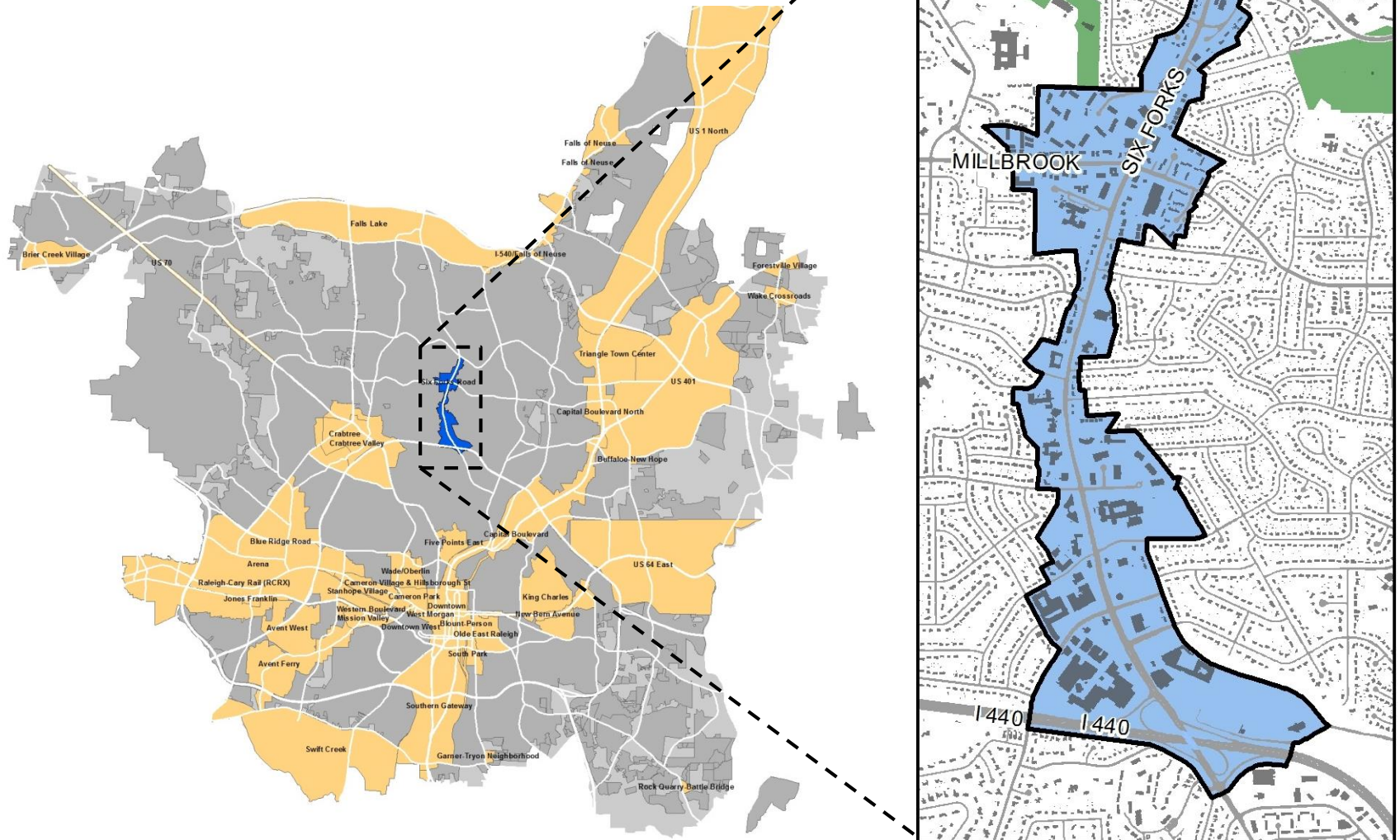
- Land use amendments
- Zoning amendments
- Plans for Open Space
- Updates to the Street Plan Map
- Updates to the Greenway Map
- Future Transportation Studies & Projects
- Capital Projects
- Renderings and sketches depicting urban design guidelines for the area
- Items requiring further study

Corridor Planning Process



Six Forks Road Corridor Study Area

City Context



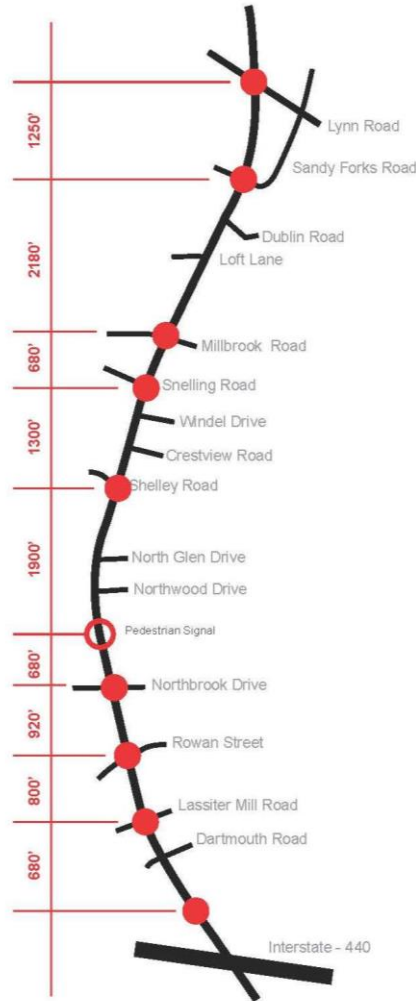
Why did we do a corridor plan for Six Forks Road?

- Highly congested corridor
- Increasing development pressure
- Growing pedestrian demand
- Poor bicycle accessibility





Right-of-Way Widths



Intersection and Signal Spacing

Six Forks Road Corridor – Existing Conditions

- 2.3 miles long
- 29,000-48,000 vehicles/day
- 9 different cross sections
- 52' to 120'+ wide ROW
- Varying speed limits
 - 35 mph south of Millbrook
 - 45 mph north of Millbrook
- Crash rate is 2.68x state average
- Inconsistent intersection and signal spacing
- Lack of access control

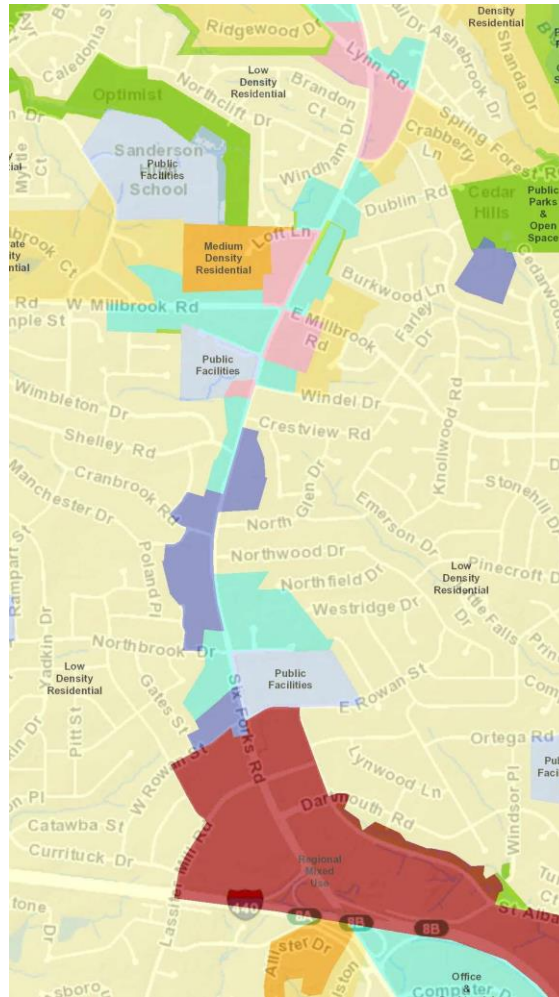
2030 Comprehensive Plan – Current

Future Land Use Map

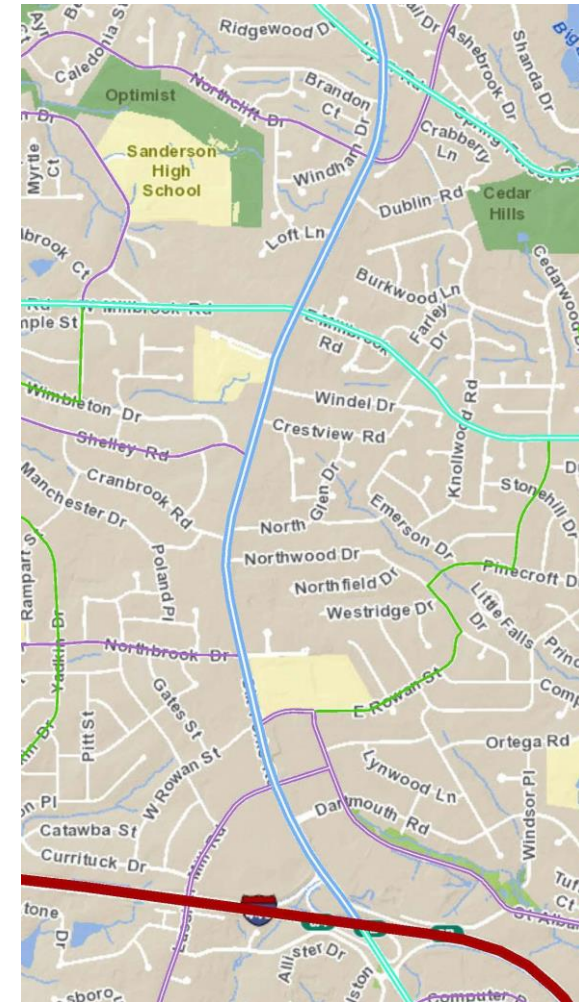
- Variety of designations within Corridor Area
- Some Residential designations remain along Corridor

Street Plan Map

- Six Forks Road – Avenue 6-Lane, Divided (2013)
- Previously Secondary Arterial - 6 lanes w/ median on Thoroughfare Plan (1989)



Future Land Use Map



Street Plan



Study Process Recap:

- Listening to community input
- Conducting technical analysis
- Working with agencies on technical requirements
- Responding to the realities of site
- Creating acceptable compromises, while holding onto the Vision
- Maximizing the outcome to create the most benefit for all interests
- Explore alternative roadway design option

Project Timeline

- **September 2012** – Visioning Workshop
- **May 2014** – Kickoff with Consultants
- **September 2014** – Public Design Charrette
- **Early 2015** – Draft Plan Public Outreach
- **February 2016** – Draft 6-Lane Presentation to City Council
- **March-April 2017** – Revised 4-Lane Alternative Public Outreach
- **June 2017** – Authorization to proceed and refer to Planning Commission
- **July-August 2017** – Public Meeting and Outreach
- **October 2017** – Planning Commission review



Corridor Study Goals:

- Unique sense of place
 - *Plan tailored to Six Forks Road Corridor*
- Enhanced fluidity of movement
 - *LOS for all modes improved*
- Environmental sensitivity
 - *LID components included*
- Enhanced connectivity
 - *Key street connections*
 - *Continuous bike/ped facilities*
- Transportation modes of all types
 - *Improved facilities for each mode*

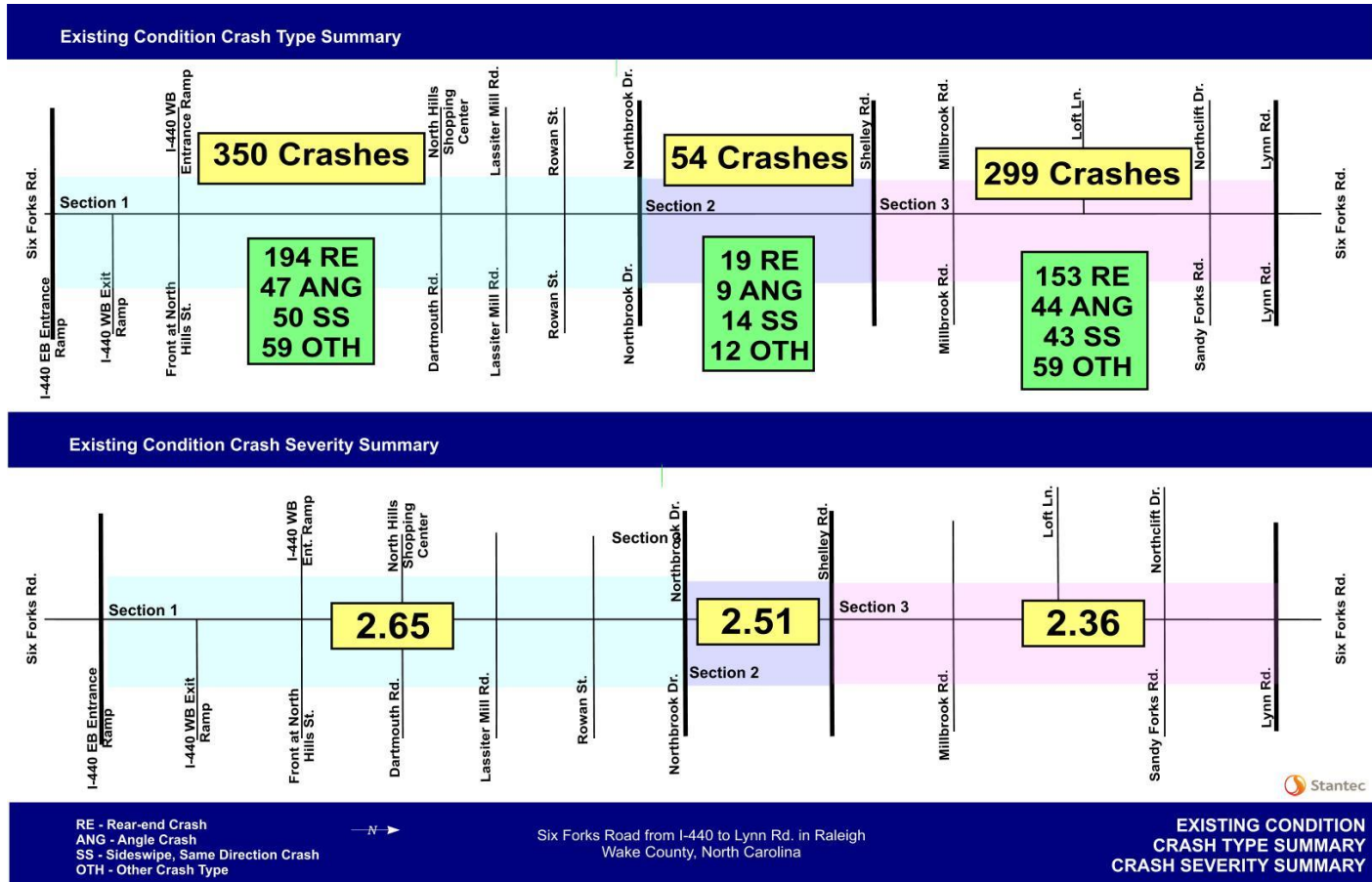


Corridor Study Goals (Cont.):

- Active pedestrian life
 - *6' or wider sidewalks for whole corridor*
 - *Improved pedestrian crosswalks*
- Safety and accessibility
 - *Reduced 35 mph speed limit*
 - *More signals spaced at regular intervals*
- Attractive urban thoroughfare
 - *Two designs sensitive to commercial, mixed use, and residential context*
- Irresistible gathering place
 - *North Raleigh's Main Street*



We conducted professional analysis for how the current system functions for cars, bikes, pedestrians and buses



We studied the context and potential issues related to space and construction

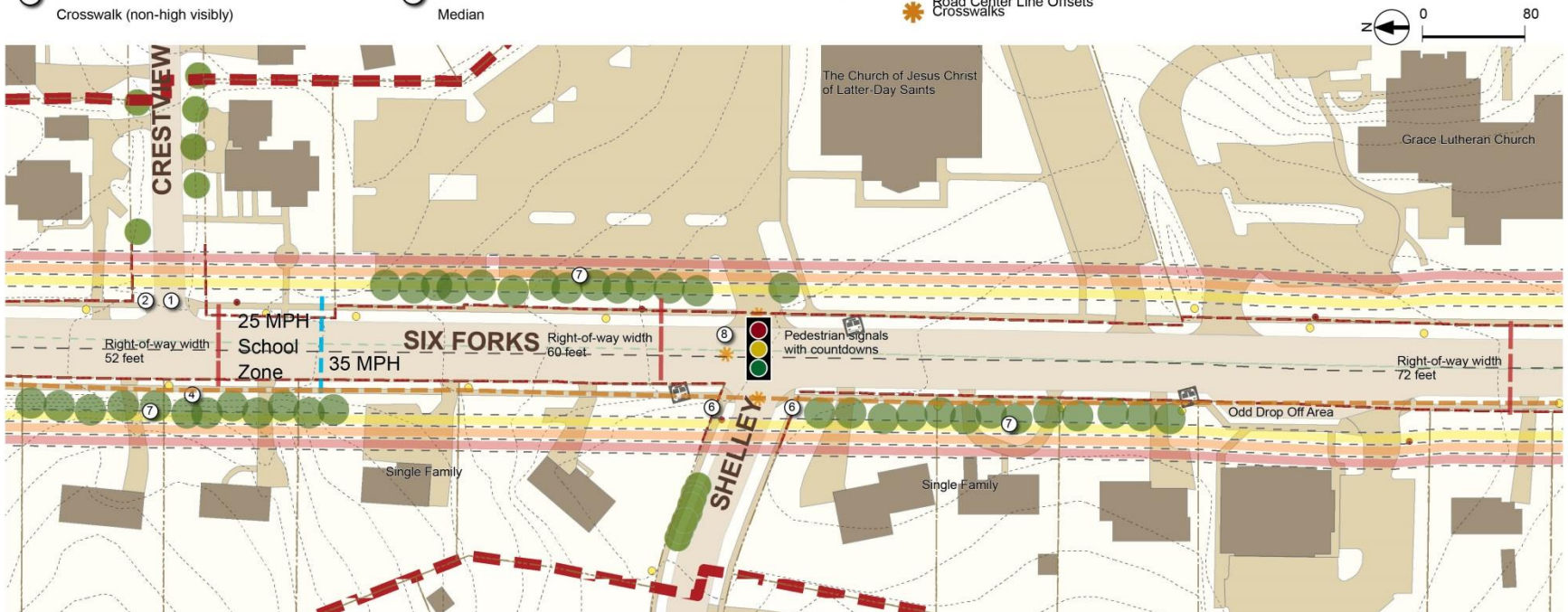
- | | |
|---|---|
| ① No existing crosswalks | ⑨ Fence |
| ② Ramps not ADA compliant | ⑩ Wall |
| ③ Power pole between sidewalk and curb | ⑪ Lighting on poles, 25' mounting height |
| ④ Narrow Sidewalk 5' or less | ⑫ Trees underneath and/or growing into power lines |
| ⑤ Wide curb cut for drive | ⑬ Irrelevant curb cut |
| ⑥ Above ground control cabinets | ⑭ Bus stop with shelter |
| ⑦ Large trees outside and on edge of right-of-way | ⑮ Topography that potentially will impact roadway expansion |
| ⑧ Crosswalk (non-high visibly) | ⑯ Median |

Legend

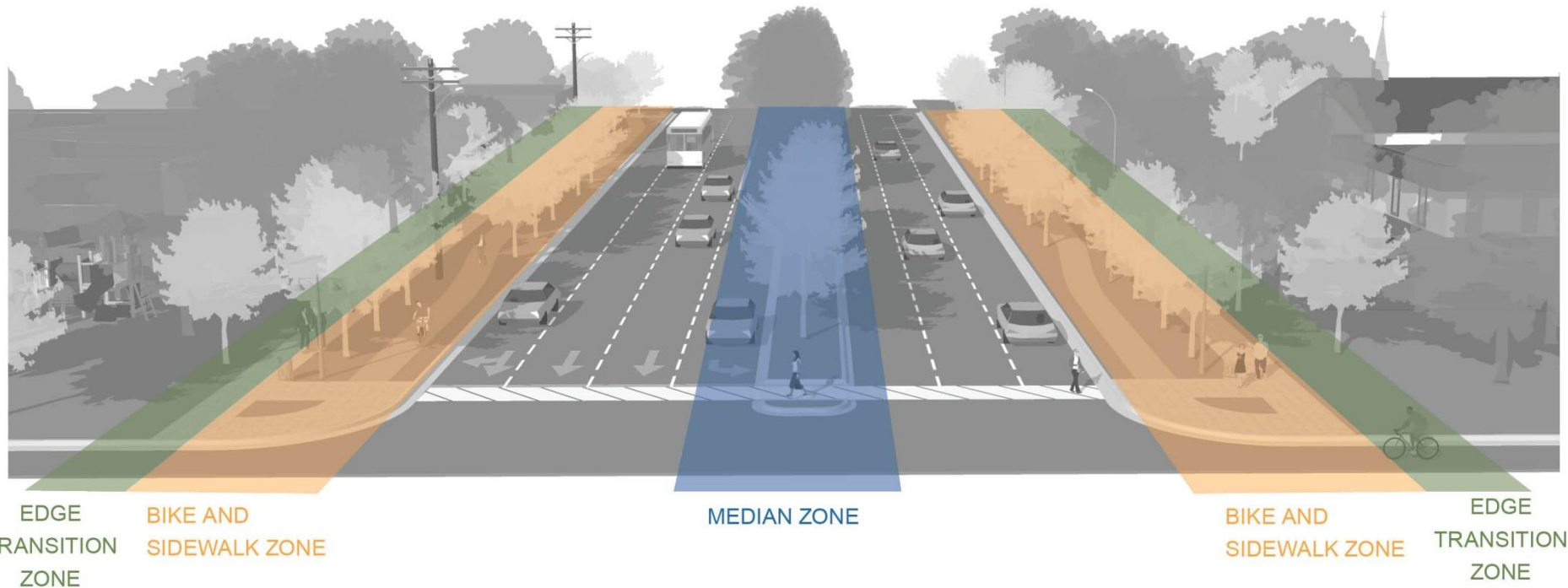
- Major power line route
- Current right-of-way
- Power pole
- Existing Street Trees
- Road Center Line Offsets
- ✱ Crosswalks

Notes

This middle section of the Corridor has more churches, schools and single family residential than any other section. Traffic can be briefly heavy Saturdays, Sundays and Wednesday evenings.



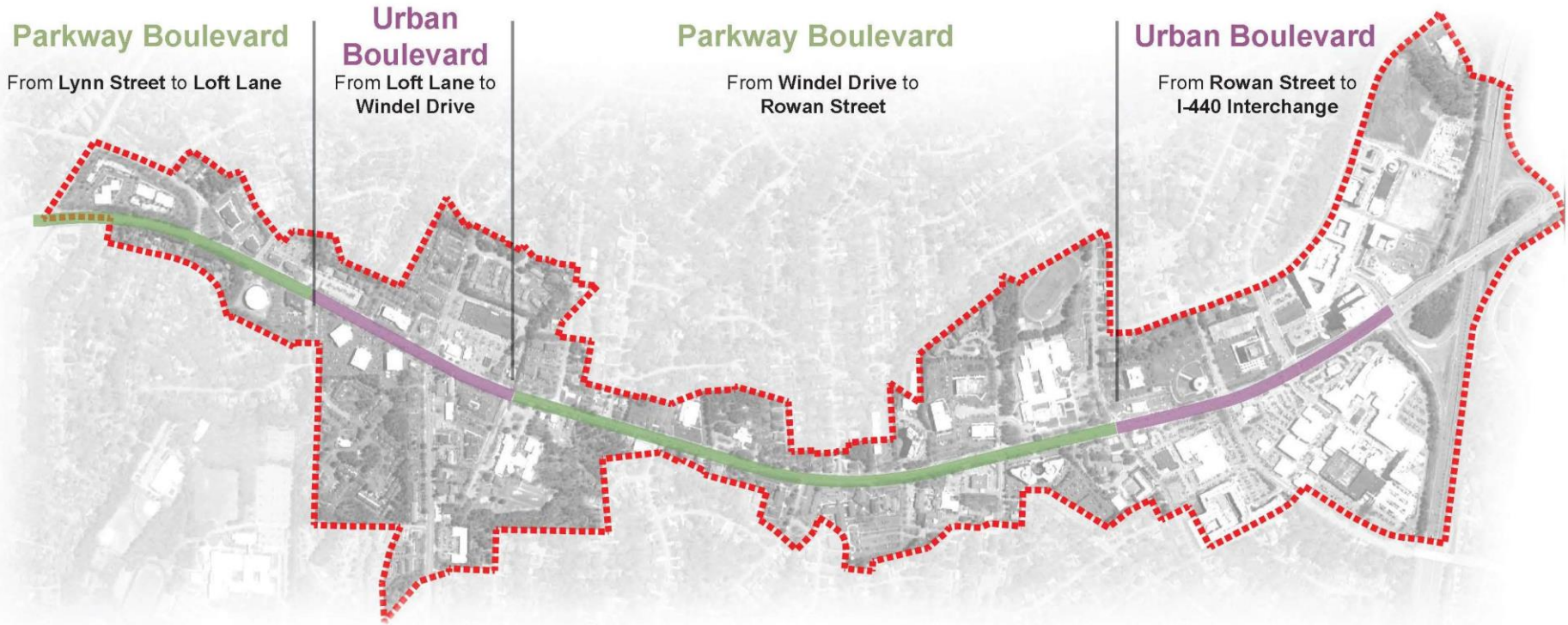
We accommodated all modes of travel in appropriately sized facilities that meet with demand; created safe, separated zones for bike and pedestrians; provided a landscaped and/or decorative median and created designs for the edge conditions



Six Forks Road – Proposed Capital Project

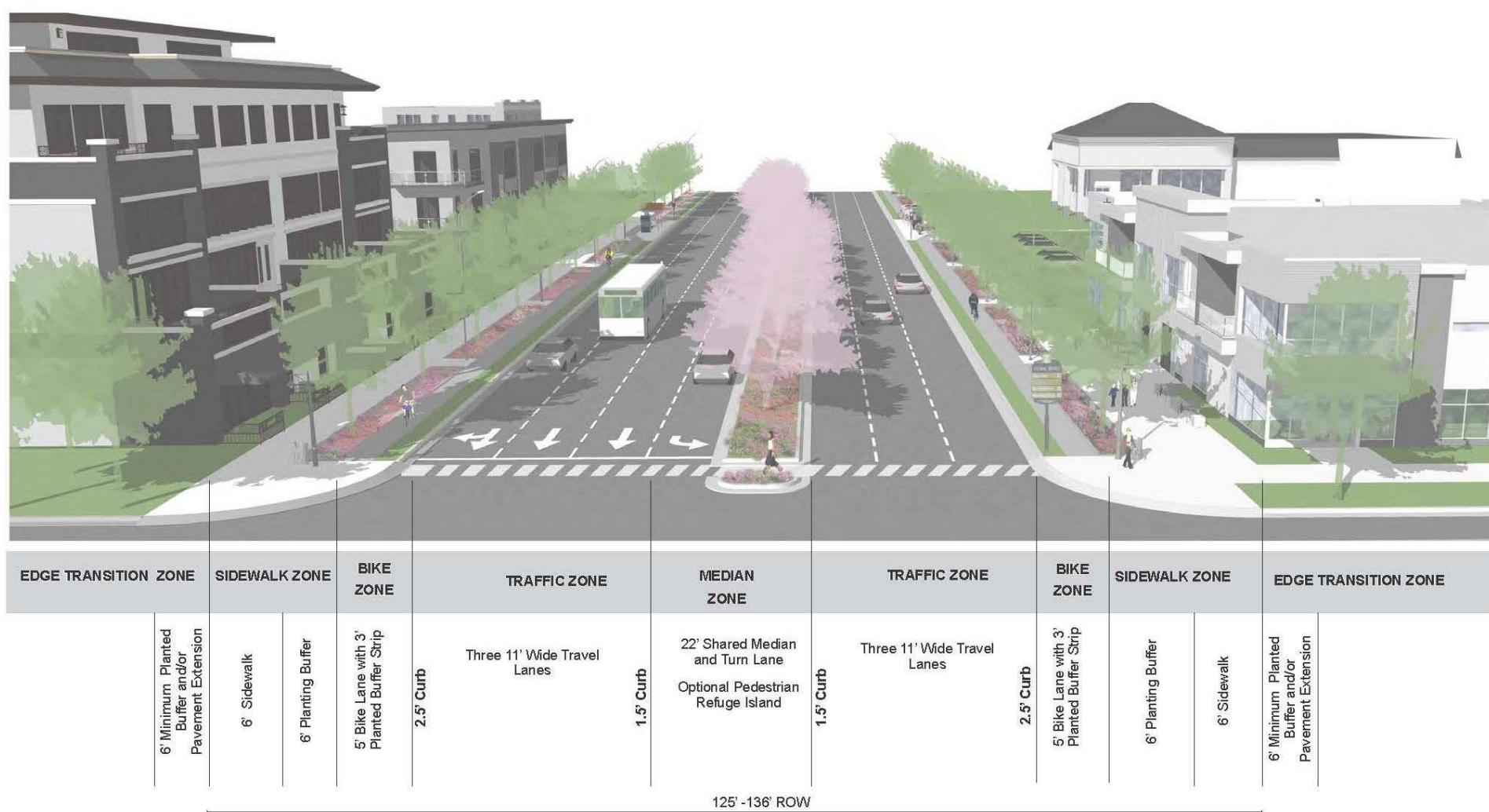
Two Distinct Streetscape Characters

- Each sensitive to the context it goes through



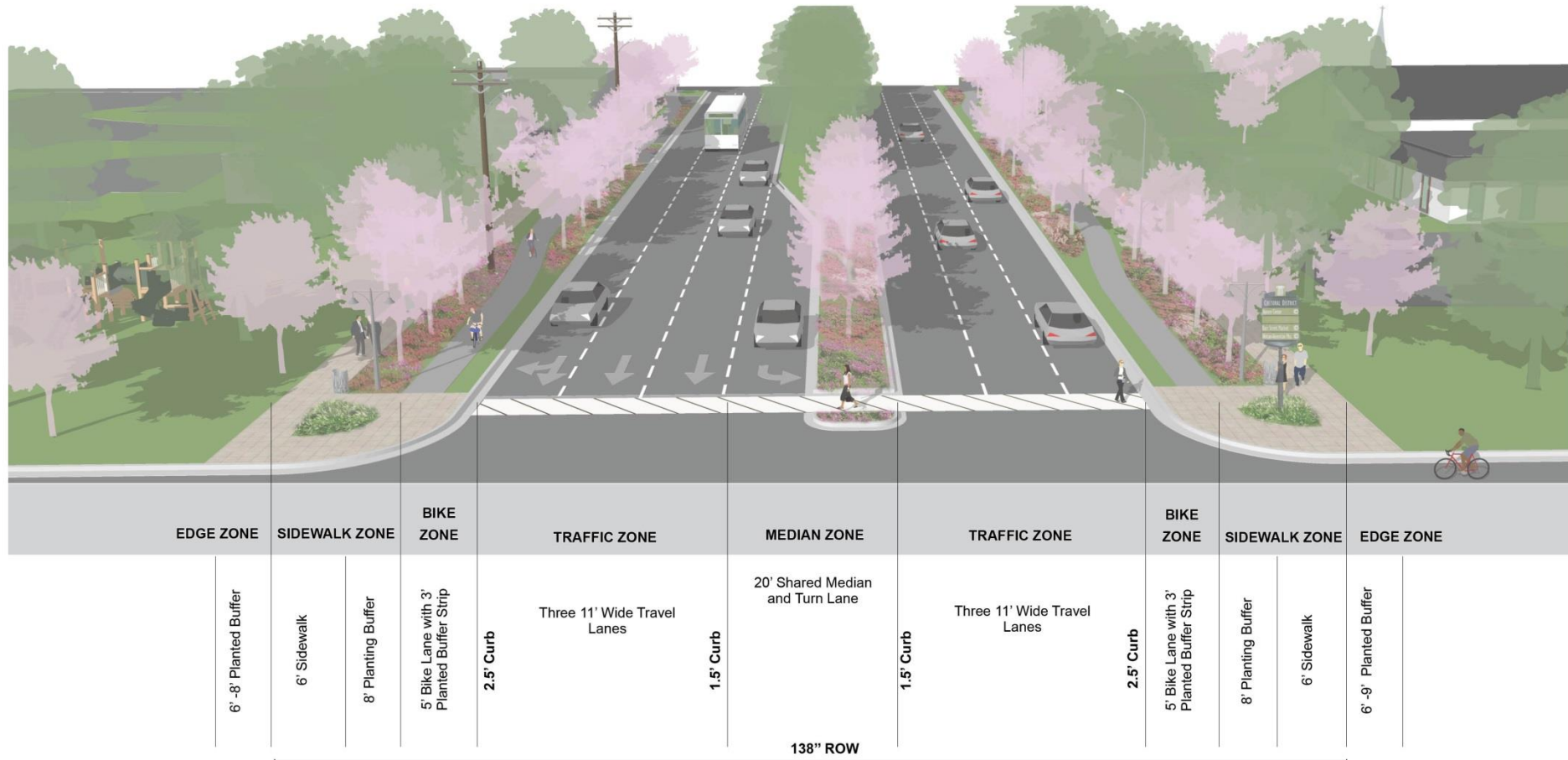
Urban Boulevard Streetscape Type

Which included a more urbanized streetscape in some portions



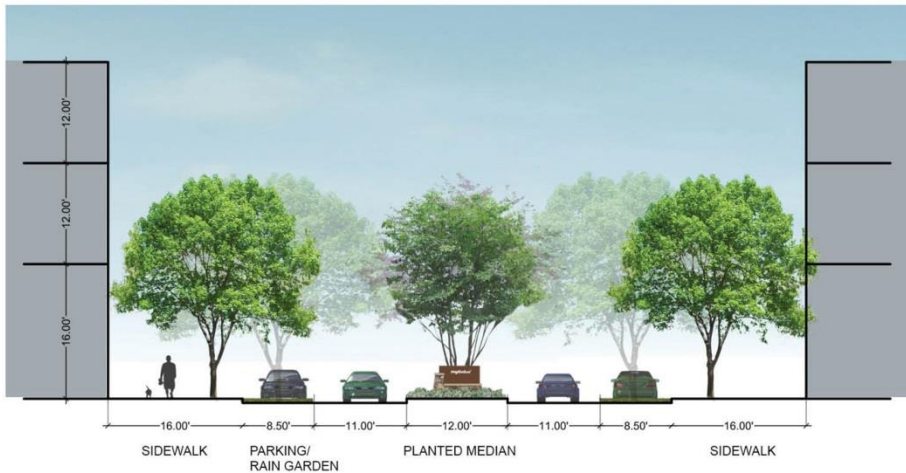
Parkway Boulevard Streetscape Type

And a more parkland style streetscape in other portions

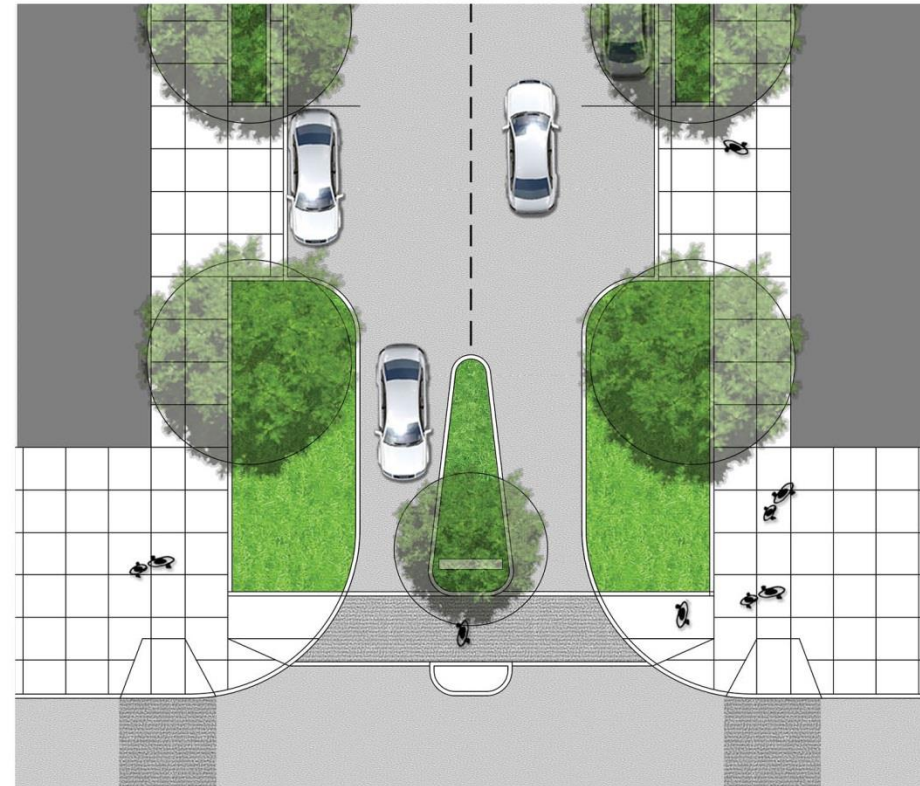


Neighborhood Gateways

Calls for gateway concepts for the streets that access neighborhoods that promote pedestrian scale, neighborhood identity and traffic calming



Urban Boulevard Neighborhood Entry



Urban Boulevard Neighborhood Entry

Neighborhood gateways create places for artistic expression

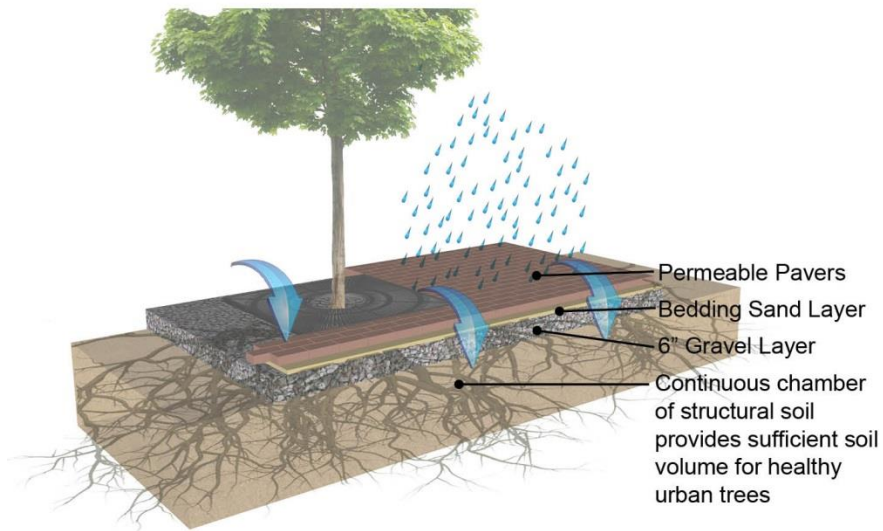
Transit Stops

- Consolidate existing stops (●) to new enhanced stops (●) spaced for ¼-mile walking radius (○)
- New and attractive bus shelters with signage & furniture

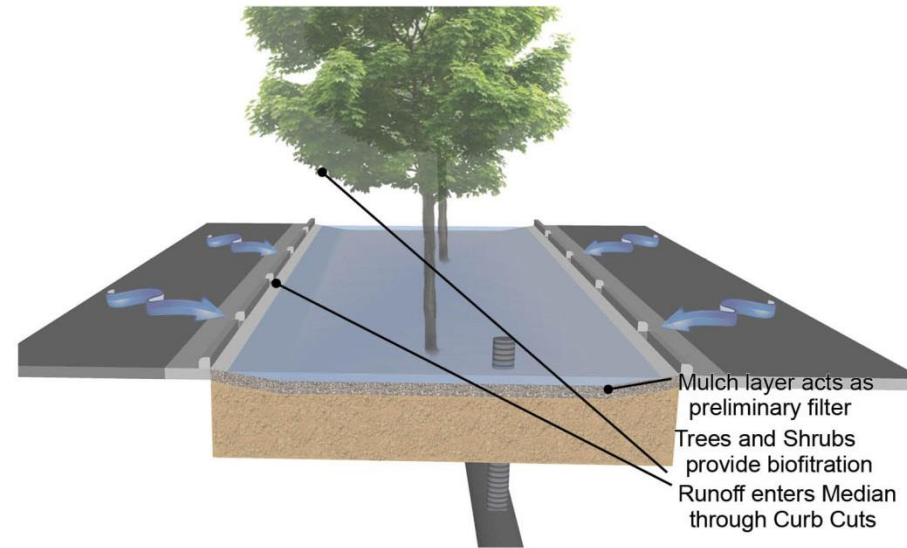


Environmental Sensitivity

Design concepts that promote environmental responsibility – particularly in the way that storm water is managed



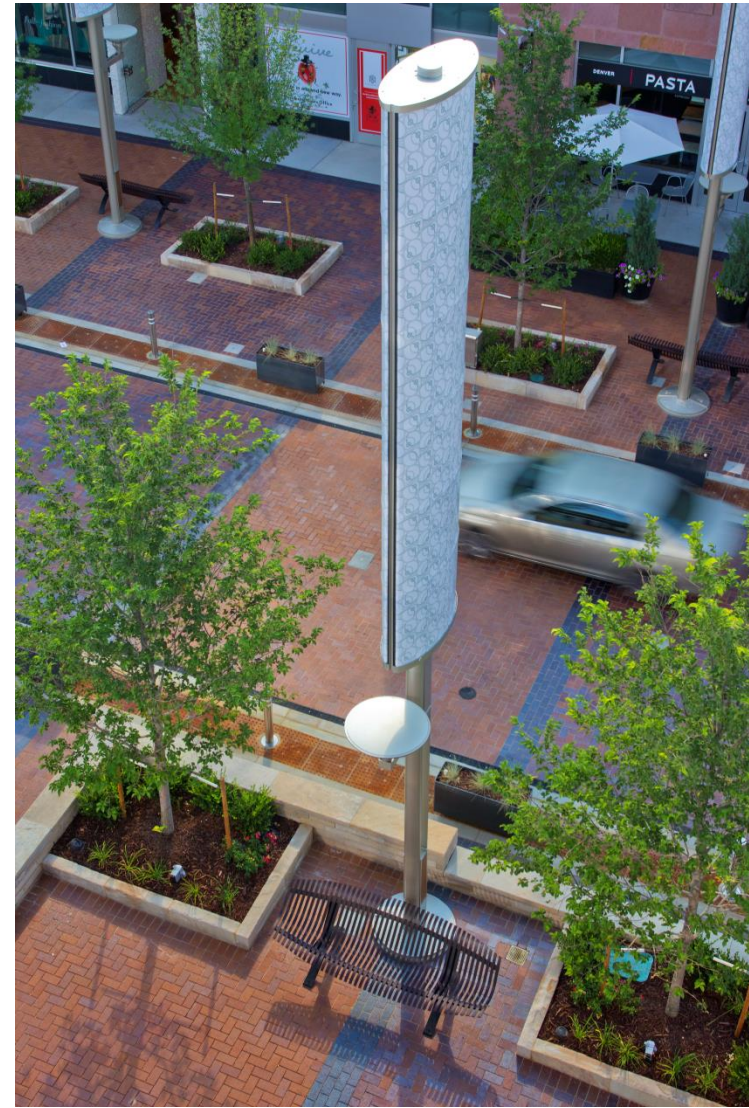
Permeable Pavers in Sidewalk Zone



20' Median with Stormwater Storage and Treatment Capabilities

Street Furnishings and Public Art

Recommendations for materials and furnishings and the inclusion of public art into the streetscape – both integrated into the design of elements and freestanding pieces

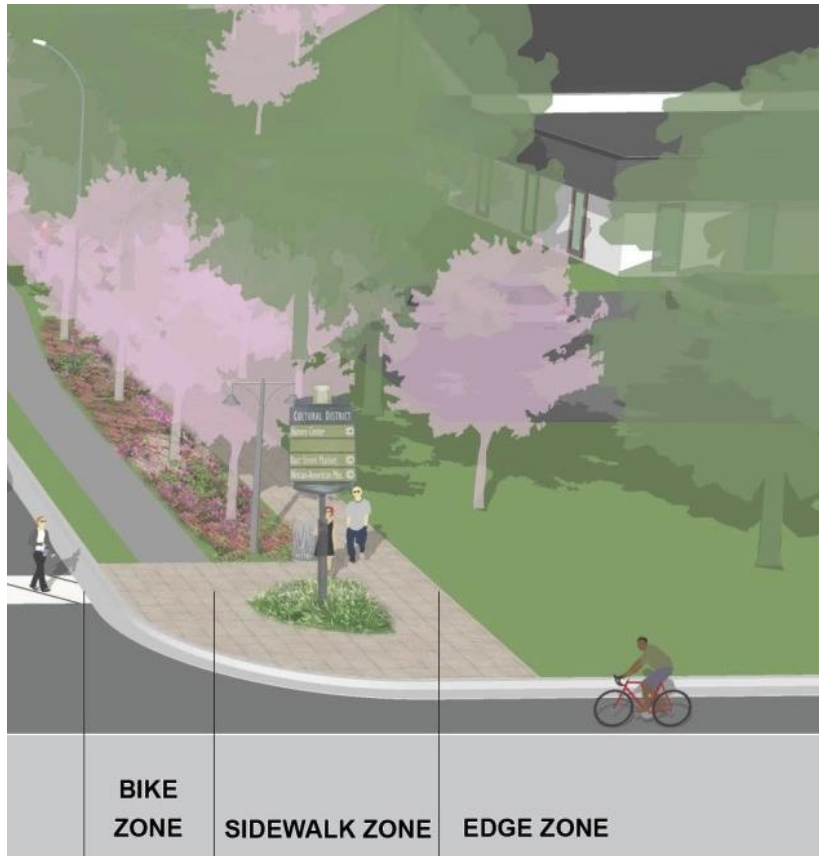


Connectivity

Safe pedestrian and bicycle connectivity with enhanced crosswalks, pedestrian passes, and off-corridor improvements.



Pedestrian and Bicycle Amenities



Blue Ridge Road at NCMA
– Proof of Concept

Six Forks Capital Project - By the Numbers

- 3X the area for bikes, pedestrians and streetscape
- Consistent lane widths (11') and speed limit (35mph)
- 10 new high quality bus shelters
- 52 high visibility crosswalks
- Over 4 miles of grade separated bike lanes
- Over 4 miles of new wider sidewalks
- Almost 8 million gallons per year of stormwater runoff treatment
- Three new traffic signals
- Locations for over 700 canopy and flowering trees
- Over 3 acres of medians planted with trees
- Plans for 10 neighborhood gateways
- Measurable increase in LOS for cars, bikes, pedestrians, and transit



Six Forks Capital Project – Implementation

Phase 1: Lynn Road south to Rowan Street

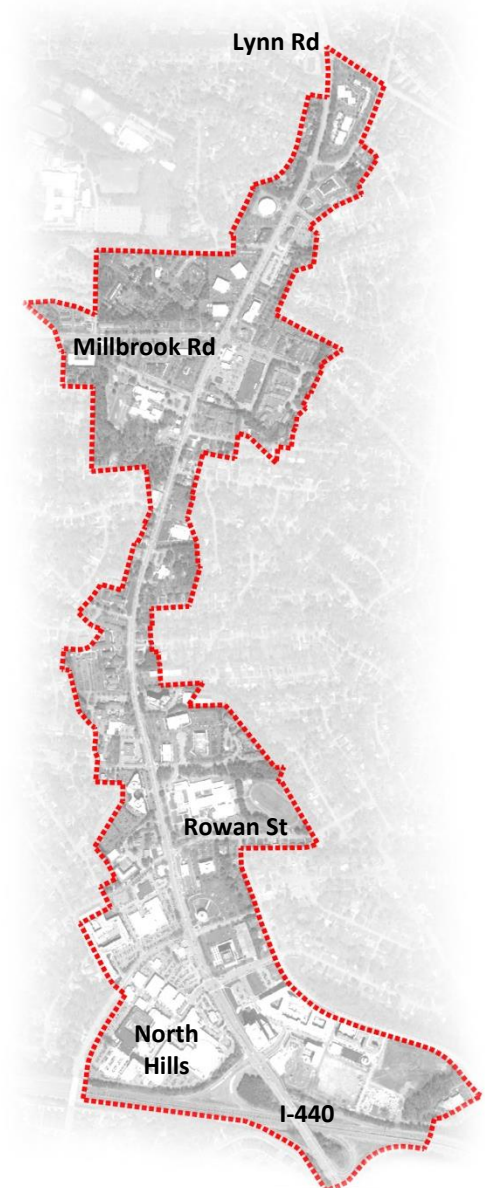
- \$1.8 million for design - 2013 Transportation Bond item (FY17 CIP Budget)
- \$29.5 million for construction and ROW acquisition - proposed for future funding consideration (part of 2017 Transportation Bond package)

Phase 2: Rowan Street to I-440

- \$13.2 million total project cost
- Propose for future funding consideration
- Partner with private development

Phase 3: I-440 Interchange Pedestrian Improvements

- \$750,000 total project cost
- Propose for future funding consideration
- Partner with NC Department of Transportation



CP-5-17 – Comprehensive Plan Amendments

Components:

- Future Land Use Map
- Street Plan
- Add study to Comprehensive Plan
- Area-specific guidance

What they are:

- Recommendations from the study
- Guidance for future rezonings and development proposals
- Does not rezone property
- Does not change current entitlements
- Does not immediately add new streets



Designing a 21st Century City:

The 2030 Comprehensive Plan for the City of Raleigh

Volume I: Comprehensive Plan

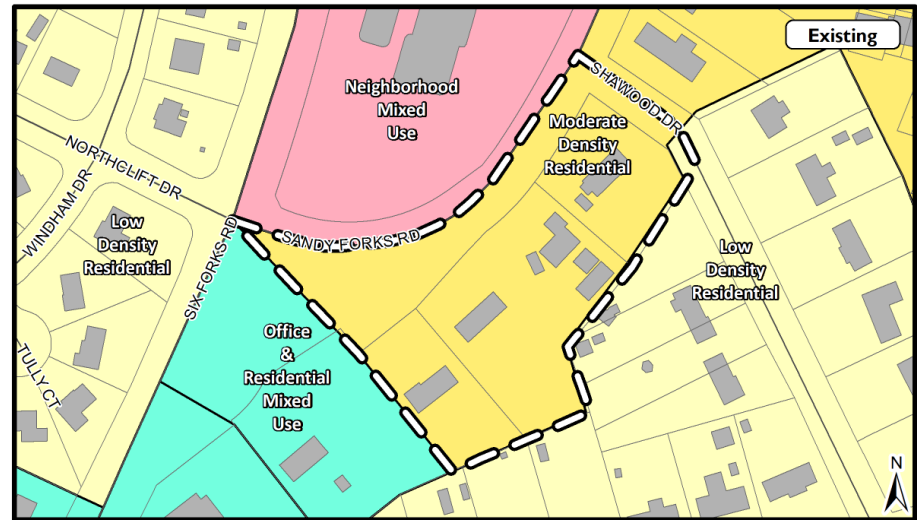
Proposed Comprehensive Plan Amendments

CP-5A-17 - Future Land Use Amendment

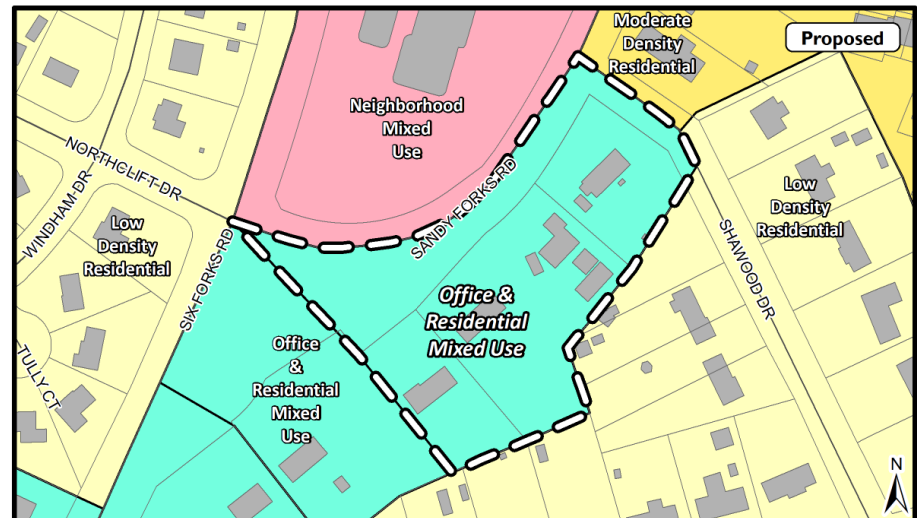
- 3 parcels
- Intersection of Six Forks Road and Sandy Forks Road
- Moderate Density Residential to Office and Residential Mixed Use

Proposal to Amend the Future Land Use Map

Existing Designation: Moderate Density Residential



Proposed Designation: Office & Residential Mixed Use



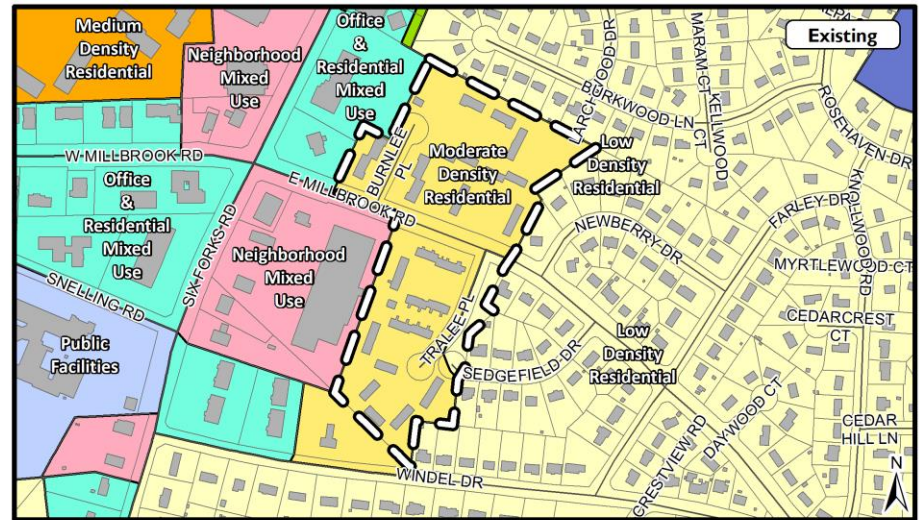
Proposed Comprehensive Plan Amendments

CP-5A-17 - Future Land Use Amendment

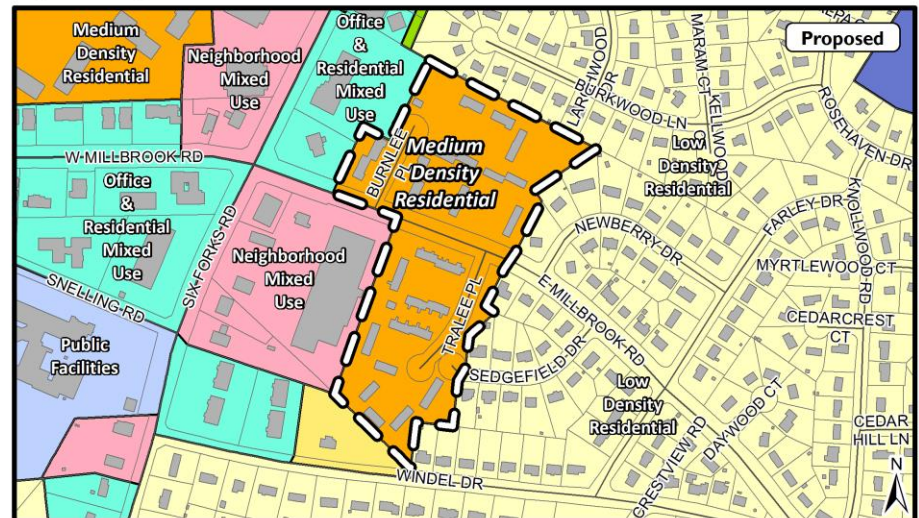
- 2 parcels
- North and south side of Millbrook Road east of Six Forks Road
- Low and Moderate Density Residential to Medium Density Residential

Proposal to Amend the Future Land Use Map

Existing Designation: Moderate & Low Density Residential



Proposed Designation: Medium Density Residential



Proposed Comprehensive Plan Amendments

CP-5A-17 - Future Land Use Amendment

- 4 parcels
- East side of Six Forks Road south of Windel Drive
- Low Density Residential to Office and Residential Mixed Use

Proposal to Amend the Future Land Use Map

Existing Designation: Low Density Residential



Proposed Designation: Office & Residential Mixed Use

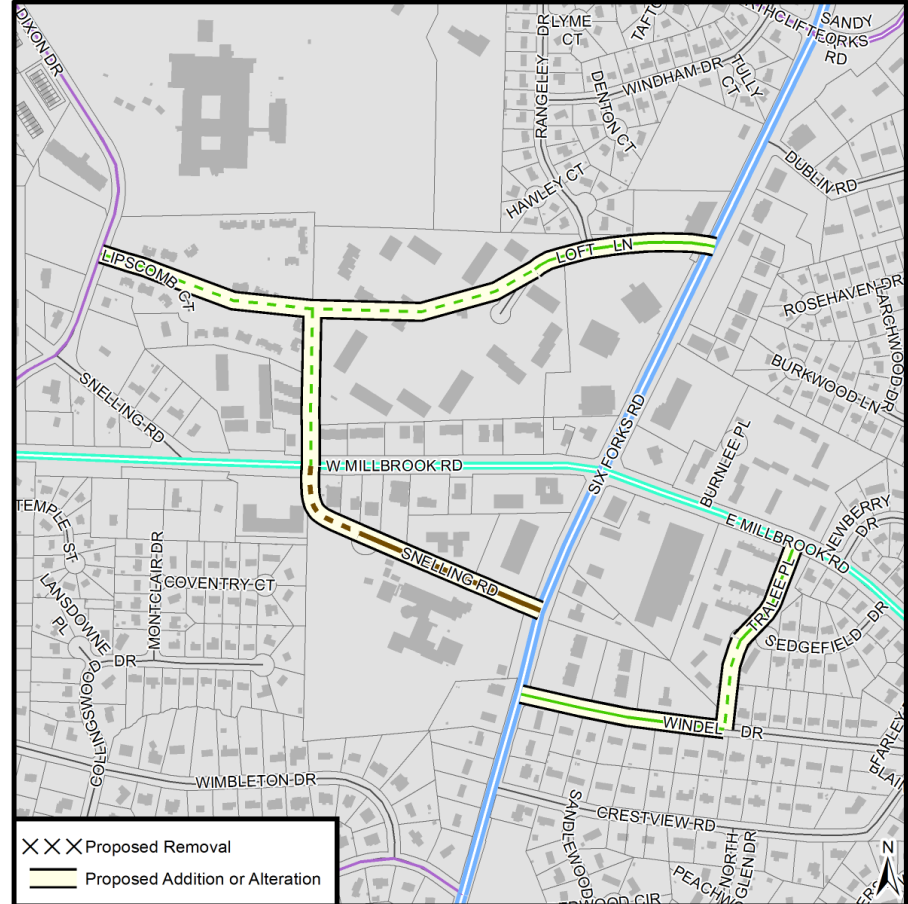


Proposed Comprehensive Plan Amendments

CP-5B-17 – Street Plan Map Amendment

- Extend Trallee Pl to Windell Dr
- Extend Snelling Rd to Millbrook Rd
- Connect Loft Ln to Lipscomb Ct
- Extend Snelling Rd extension to Loft Lane Extension

Proposal to Amend the Street Plan



- Designate Trallee Pl as Neighborhood Street
- Extend Trallee Pl as Neighborhood Street Proposed to Windell Dr
- Designate Windell Dr as Neighborhood Street to Trallee Pl extension
- Designate Snelling Rd as Industrial Street
- Extend Snelling Rd to Millbrook as Industrial Street Proposed
- Designate section of Loft Ln & Lipscomb Ct as Neighborhood Street
- Connect Lipscomb & Loft with new Neighborhood Street Proposed
- Continue Snelling extension North of Millbrook to Loft Ln Extension as Neighborhood Street Proposed

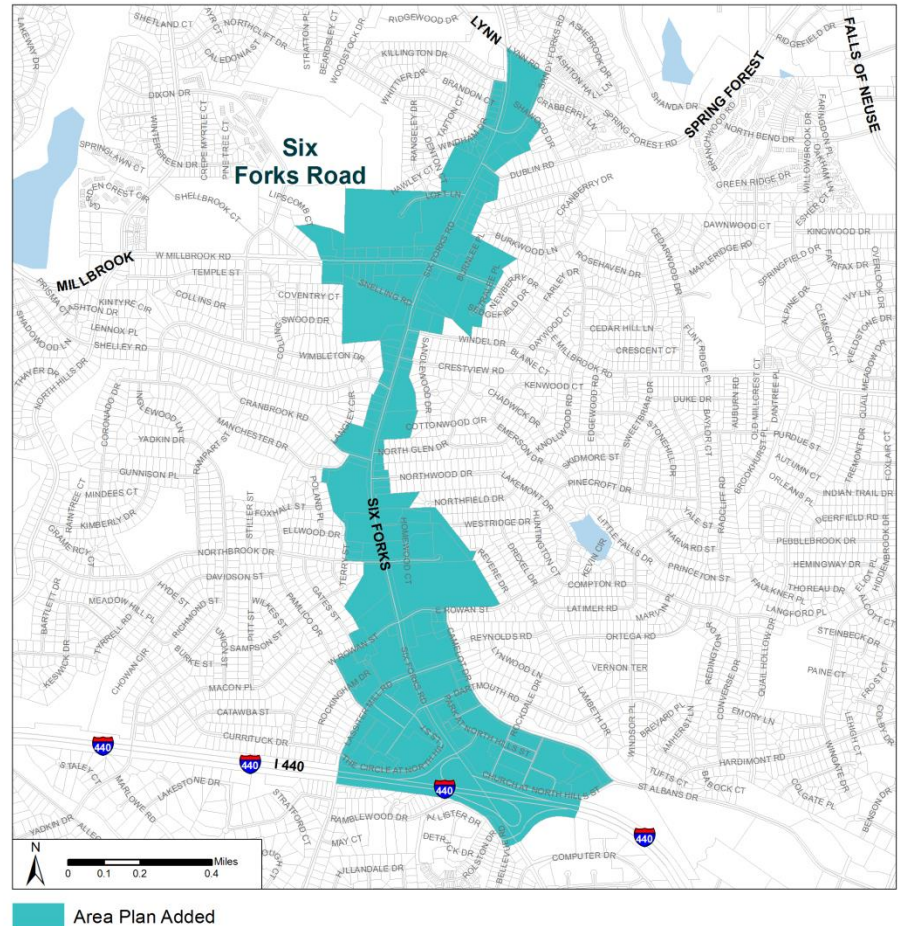
Proposed Comprehensive Plan Amendments

CP-5C-17 – Add Six Forks Road Corridor to Area Plan section

CP-5D-17 – Provide area specific guidance. Includes policies regarding:

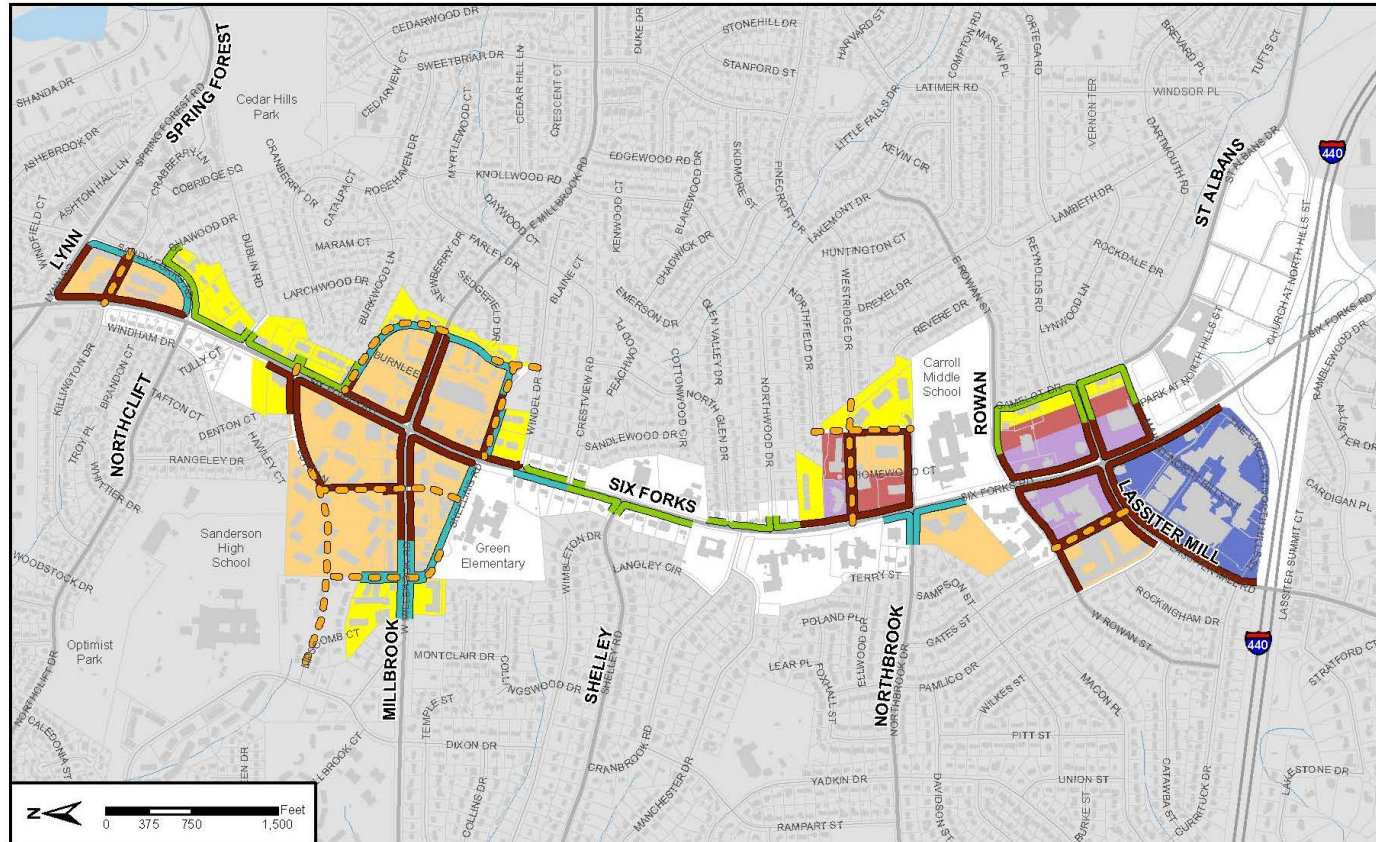
- Six Forks Road Corridor
- Streetscape Design
- Neighborhood Gateways
- Environmental Sensitivity
- Public Art
- Future Zoning Guidance
- Future Street Connections
- Map AP-SF1

Amendment to **AP-1: Area Plan Locations**



Proposed Comprehensive Plan Amendments

AP-SF1: Six Forks Road



Recommended Frontage

Green

Urban Limited

Parking Limited

Recommended Height

4 stories

5 stories

7 stories

12 stories

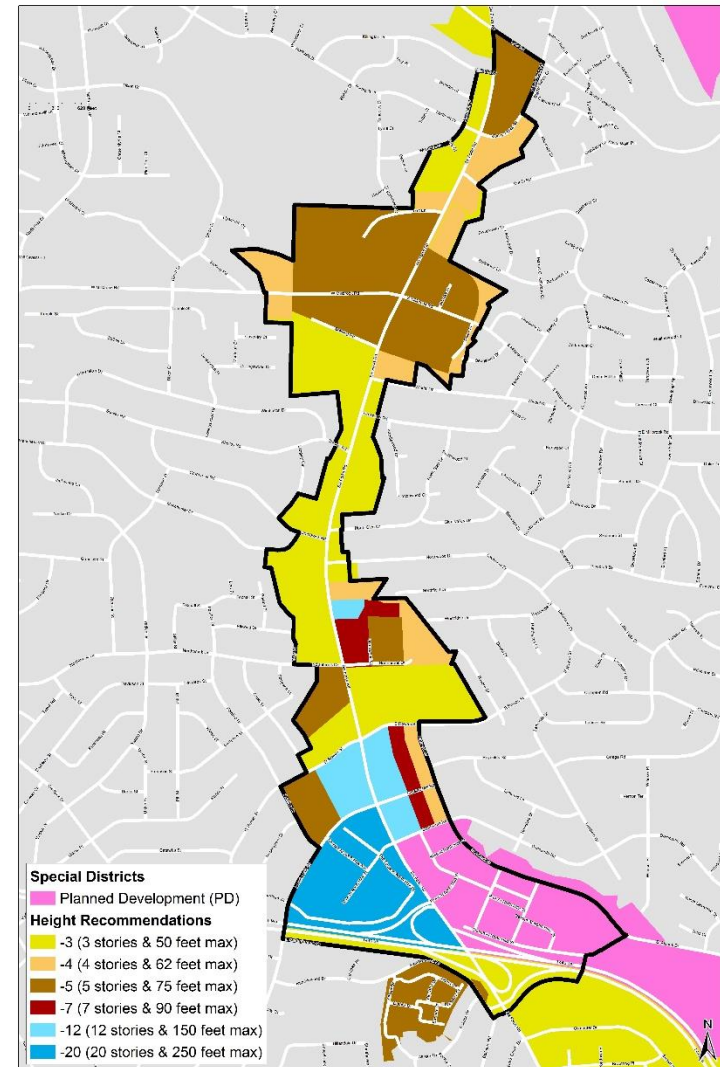
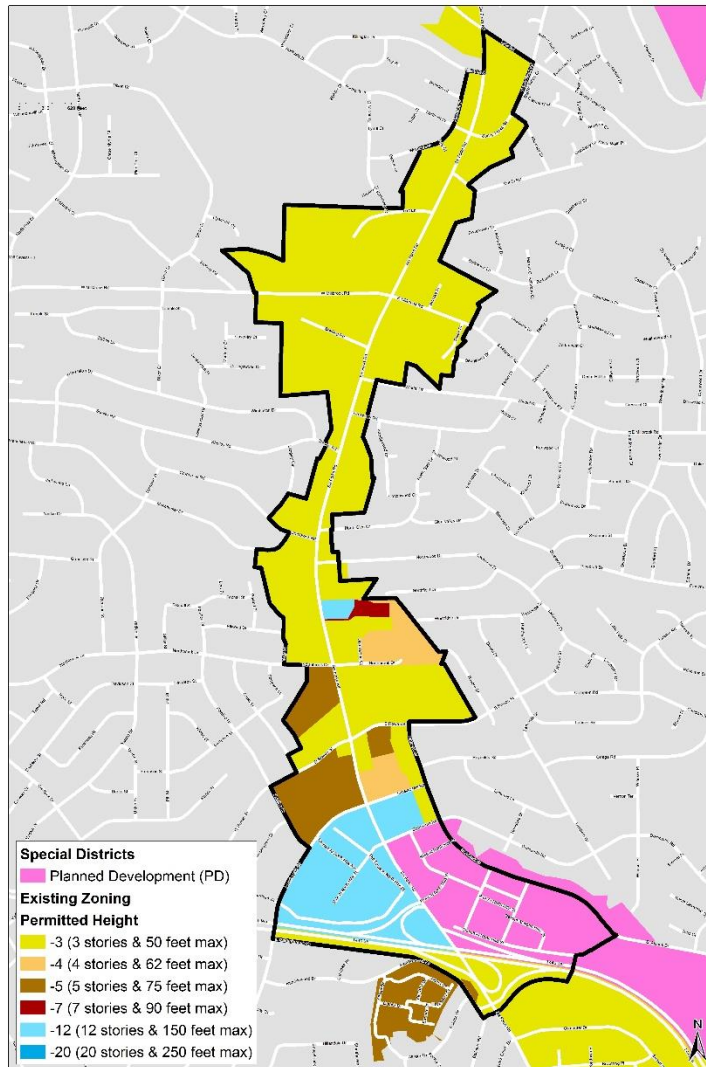
20 stories

--- Proposed Street

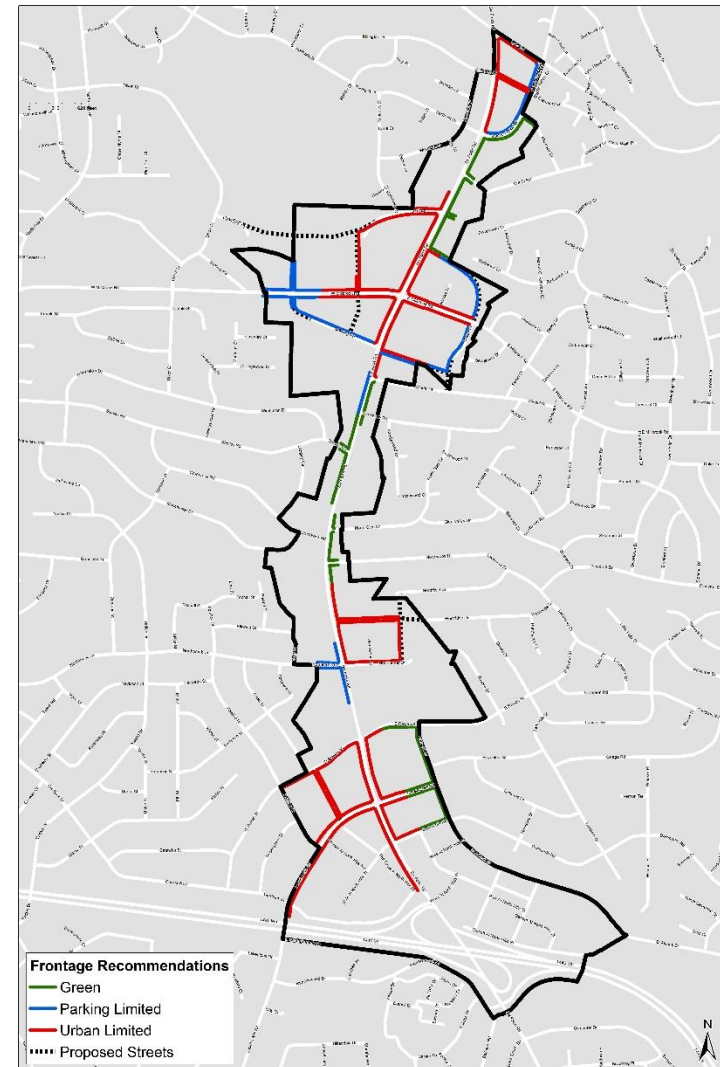
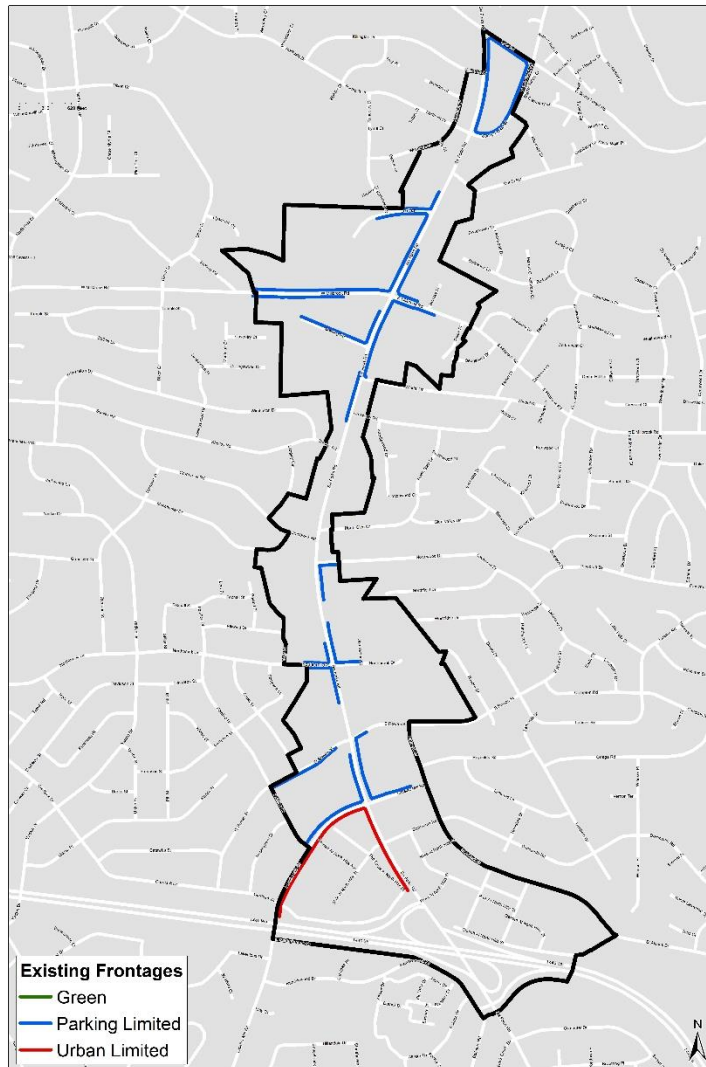
*Height and Frontage recommendations displayed may be considered appropriate for future rezonings.

Map created 10/6/2017 by the
City of Raleigh Department of City Planning

Building Height – Existing Permitted vs Recommended



Frontages – Existing vs Proposed



Public Comment

- Over 100 comments received during recent period (July 20-August 21)
- Summary of Public Comments
 - For PC consideration – 14 items
 - For Council consideration – 15 items
 - For consideration during design engineering phase – 33 items
 - Other comments
- Comments received before, during, and following October 26 COW Meeting - 14 items



Planning Commission Consideration

- Types of Comments:
 - Street/Streetscape – 11 items
 - Future Land Use Map – 1 item
 - Street Plan Map – 7 item
 - Area Specific Guidance – 9 items
- Additional public comment



Next Steps

- Take additional comments from public
- Request time extension (PC Deadline is January 24)
- Committee of the Whole on January 25
- Recommendation to City Council. May include:
 - Suggested revisions to study document
 - Suggested revisions to Comprehensive Plan Amendments
- City Council review



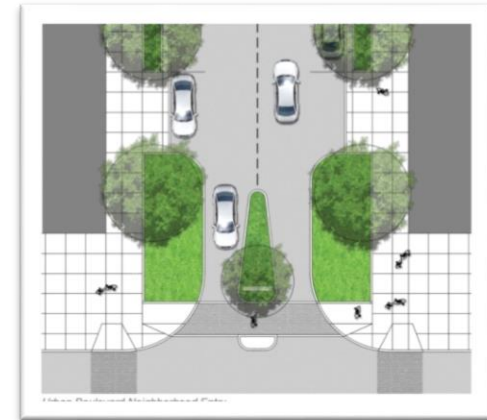
More information:

- Online - www.raleighnc.gov, keyword “Six Forks Corridor Study”
- Project Contact:

Carter Pettibone, AICP

carter.pettibone@raleighnc.gov

919-996-4643



Questions?

